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1. A method of cleaning an injection mold, comprising the steps of:

opening the mold;

set a dry ice delivery system operating parameters to produce dry ice granules;

set said dry ice delivery system operating parameters to maintain a gas to dry ice ratio;

set said dry ice delivery system operating parameters to maintain a flow rate;

position a nozzle tip of said dry ice delivery system from said surface.

- 2. The method of cleaning an injection mold of claim 1 further comprising the step of positioning a mold ejection mechanism to expose a surface to be cleaned;
- 3. The method of cleaning an injection mold of claim 1 wherein said injection mold is mounted in an injection molding machine and wherein said step of opening said mold is performed by stroking a platen of said machine to maximize the daylight between a first and second mold half.
- 4. The method of cleaning an injection mold of claim 1 further comprising the step of setting said dry ice delivery system operating parameters to produce dry ice granules preferably within the range of 0.005 to 0.040 inches in diameter.
- 25 5. The method of cleaning an injection mold of claim 1 further comprising the step of setting said dry ice delivery system operating parameters to maintain a gas to dry ice ratio preferably between 2.0 and 3.5;
- 6. The method of cleaning an injection mold of claim 1 further

 comprising the step of setting said dry ice delivery system operating parameters to maintain said gas flow rate preferably between 3 and 50 SCFM;

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- 7. The method of cleaning an injection mold of claim 1, 2, 3, 4, 5, or 6 further comprising the step of positioning a nozzle tip of said dry ice delivery system preferably between 0.5 and 1.5 inches from said surface.
- 8. The method of cleaning of claim 7 further comprising the steps of:

set a dry ice delivery system operating parameters to produce dry ice granules that are preferably 0.020 inches in diameter;

9. The method of cleaning of claim / further comprising the steps of:

set said dry ice delivery system operating parameters to maintain a gas to dry ice ratio that is preferably 3.0;

10. The method of cleaning of claim 7 further comprising the steps of:

set said dry ice delivery system operating parameters to maintain a flow rate that is preferably 25 SCFM;

11. The method of cleaning of claim 7 further comprising the steps of:

position a nozzle tip of said dry ice delivery system that is preferably 1 0 inches from said surface.

- 12. The method of cleaning of claim 7 wherein said mold is for the production of preforms.
- 13. A system for cleaning an injection mold comprising:
 a dry ice delivery system;
 a hand tool;

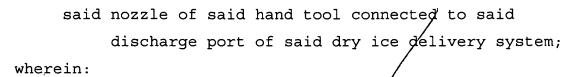
said dry ice delivery system provides a flow of dry ice granules in a gas suspension to a discharge port;

said hand tool further includes a nozzle;

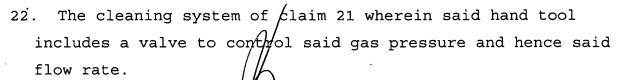
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- said dry ice delivery system operable to produce dry ice granules that are preferably between 0.005 and 0.040 inches in diameter;
- said dry ice delivery system controllable to maintain a gas to dry ice ratio preferably between 2.0 and 3.5;
- said dry ice delivery system controllable to maintain a flow rate preferably between 3 and 50 SCFM.
- 14. The cleaning system of claim 13 wherein said nozzle of said hand tool is preferably between 0.20 and 0.60 inches in diameter.
- 15. The cleaning system of claim 13 wherein said nozzle length of said hand tool is preferably between 2.5 and 12.0 inches.
- 16. The cleaning system of claim 5 wherein said nozzle of said hand tool is preferably 0.40 inches in diameter.
- 17. The cleaning system of claim 16 wherein said nozzle length of said hand tool is preferably 6.0 inches.
- 18. The cleaning system of claim 17 wherein said hand tool includes a pistol grip.
- 19. The cleaning system of claim 18 wherein the angular inclination of said nozzle to said pistol grip is incrementally adjustable.
- 20. The cleaning system of claim 19 wherein said hand tool includes at least one light positioned to cast light in the direction of the nozzle discharge.
- 21. The cleaning system of claim 20 wherein said at least one light is a light emitting diode.



23. The cleaning system of claim 22 wherein said mold is for the production of preterms.

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